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PTO/SB/21 (09-04)

## TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/670,997
Filing Date	September 24, 2003
First Named Inventor	Maerkl, Sebastian J.
Art Unit	3753
Examiner Name	Hepperle, Stephen M.
Attorney Docket Number	20174C-009410US

### ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Return Postcard<br>Copies of three (3) cited non patent literature documents<br>Copy of the Search/Examination report |
|---|---|--|

Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	Patrick M. Boucher		
Date	April 20, 2005	Reg. No.	44,037

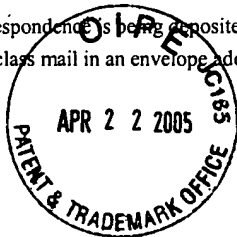
### CERTIFICATE OF TRANSMISSION/MAILING

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Signature			
Typed or printed name	Jennifer Dolan	Date	April 20, 2005

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**PATENT**  
Attorney Docket No.: 20174C-009410US  
Client Reference No.: CIT-3764

On April 20, 2005

TOWNSEND and TOWNSEND and CREW LLP

By: Jennifer Dolan

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

SEBASTIAN J. MAERKL et al.

Application No.: 10/670,997

Filed: September 24, 2003

For: MICROFLUIDIC LARGE SCALE  
INTEGRATION

Examiner: Unassigned

Art Unit: 3753

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references [excluding cited U.S. Patents, U.S. Patent Application publications, and appropriate IFW-stored, pending U.S. Patent Applications and portions thereof, per 1287 OG 163] are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and

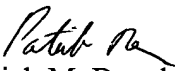
the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Also enclosed is a copy of the Search/Examination report corresponding to the PCT application.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

  
Patrick M. Boucher  
Reg. No. 44,037

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60465798 v1



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/670,997	
			Filing Date	September 24, 2003	
			First Named Inventor	Maerkl, Sebastian J.	
			Art Unit	3753	
			Examiner Name	Hepperle, Stephen M.	
Sheet	1	of	1	Attorney Docket Number	20174C-009410US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AA	UNGER M A ET AL. : "Monolithic Microfabricated Valves and Pumps by Multilayer Soft Lithography" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, US, vol. 288, April 7 2000, pages 113-116, XP002192277 ISSN: 0036-8075	
	AB	THORSEN, TODD: "Microfluidic technologies for high-throughput screening applications" (Online) September 23, 2002 CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA, USA, XP002302465; Retrieved from the Internet: URL: http://resolver.caltech.edu/CaltechETD:etd-12012002-092026	
	AC	TODD THORSEN; SEBASTIAN J. MAERKL, STEPHEN R. QUAKE: " Microfluidic Large-scale Integration" SCIENCE vol. 298, no. 5593 18 October 2002, pages 580-584, XP002302473 WASHINGTON DC, USA.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.